

Catalogue Number	Product	Order number / Unit
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2140 Propionic acid 1-methyl-piperidin-4-yl ester hydrochloride

2140.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.

Reference standard for [¹¹C]PMP

Molar Mass: 207.7

C₉H₁₇NO₂ · HCl

[64219-77-8]

Colourless crystals packaged in dark glass screw cap vials.

Purity: > 95 %

Certificates:

CoA; ¹H NMR spectrum

Chemical Name:

CA index name: 4-Piperidinol, 1-methyl-, propanoate, hydrochloride

Synonymes:

PMP · HCl

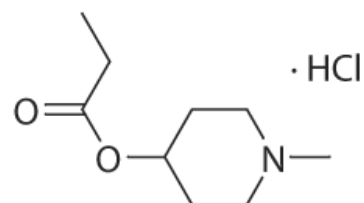
Literature:

Nguyen T.B. et al. Syntheses of carbon-11 labeled piperidine esters as potential in vivo substrates for acetylcholinesterase. Nucl. Med. Biol. 1998, 25, 761-768.

Iyo M. et al. Measurement of acetylcholinesterase by positron emission tomography in the brains of healthy controls and patients with Alzheimer's disease. Lancet 1997, 349, 1805-1809.

Irie T. et al. Design and Evaluation of Radioactive Acetylcholine Analogs for Mapping Brain Acetylcholinesterase (AChE) In Vivo. Nucl. Med. Biol. 1994, 21, 801-808.

Snyder S.E. et al. Synthesis of 1-[¹¹C]Methylpiperidin-4-yl Propionate ([¹¹C]PMP) for in Vivo Measurements of Acetylcholin-esterase Activity. Nucl. Med. Biol. 1998, 25, 751-754.



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